

## FRESHMAN DANCE BIDS IN DEMAND; 200 ALREADY SOLD

### Opera Club Will House Gala Freshman Function

Two hundred bids have been distributed during the first week of sales for the Freshman dance to be held April 12, according to Dave Chapman, Freshman Social Chairman. This advance sale exceeds by far any previous such sale for the school dances this year. As the capacity of the Opera Club, where the dance will be given, is less than two hundred and fifty couples, it appears probable that a shortage of tickets will occur before the night of the dance, over three weeks away.

The orchestra for the evening is to be the Aragon-Trianon Orchestra of Waddy Wadsworth's, widely known throughout the city. Chaperones will be selected during the next week, and will probably include several members of the faculty. The Opera Club is located at No. 18 Walton Place; easily accessible to students from north, south and west.

Members of the Freshman social committee are:

D. Chapman, Chairman  
P. Abramson  
V. Taylor  
H. Hendricks  
R. Fairbanks  
F. Ollison

## Track Team Ends Week With Triangular, AAU.

Today and tomorrow Armour's squad of rapid pacing trackmen will participate in two of the season's most colorful indoor meets. Today's meet will be a triangular affair with Chicago Normal and Morton College at the Chicago Normal Gym.

Tomorrow's program will be carried out at the Broadway Armory where the Central Association Amateur Athletic Union is sponsoring its thirty-first annual indoor championship meet.

### Armour Strong Contender

Since Armour had defeated Chicago Normal last week and Morton College has only an equal rating with the teachers, Coach Stagg has expressed high hopes of winning today's meet.

All of Stagg's oldest performers are in good condition and are prepared to face their opponents. Among the entries will be Don Paul, holder of the Bartlett Gym Shot-put record, and Yount, hurdler and shot-putter, who won last week's shot-put match. Smith will enter for the two mile run. Captain Kara is rounding himself into shape for the high hurdles.

### Medley Team Enters A. A. U. Meet

Armour will make its appearance in tomorrow's contest with four runners and Don Paul. The Medley team will be composed of Sturm or Ransel as the 220-yard runners, and Podliep or Fox in the quarter. Iverson will run the half mile and Richter will go the mile.

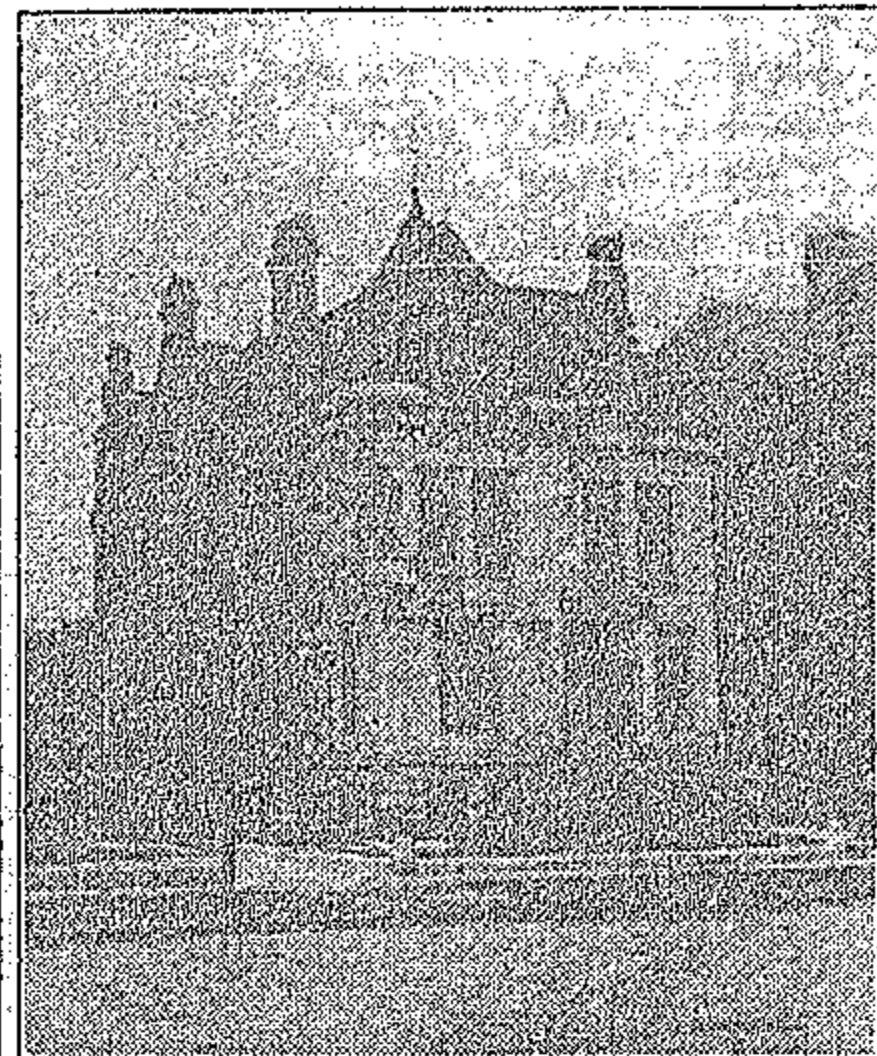
In H. P. Richter, the freshman miler, Stagg has found a valuable addition. Though this is his first season of college competition, he has steadily bettered his running time.

Iverson, too, shows good form in his half mile run.

Sturm, Ransel, Podliep, and Fox, the short distance runners, have demonstrated their ability in the recent Chicago Normal meet and if they repeat their performance, there is no doubt but what Armour will make a favorable showing.

Armour's one outlook for a first placing rests highly on Don Paul's exhibition. Don Paul has been heaving the metal ball 46 to 47 feet. His official record is 45 feet 8-5/8 inches. By holding this record he has proven to be superior to Buck Weaver of Chicago, who held the previous record of 45 feet 3 inches.

## New S. K. D. House



3344 S. MICHIGAN AVE.

## NO BREAKAGE AS SIGMA KAPS MOVE TO NEW LOCATION

Not a glass was broken, not a mirror cracked, and not a stick of furniture scarred, was the record established by the Sigma Kappa Delta men last Saturday when it moved from its old location at 3631 S. Michigan to its new home at 3344 S. Michigan. Seventeen men toiled a day long to transport the belongings in their new place, the members heave a sigh of relief. Though some painting remains to be done, drapes to be hung, and light fixtures to be put in place, the bulk of the work is accomplished.

All the floors on the first and second floors have been covered with linoleum and waxed. New furniture has been purchased and put in place. The dormitory has been fixed up, the serving of meals has begun, and study rooms have been fitted out.

The promised house-warming will be held as soon as the drapes are hung, fixtures installed, and the general arrangement and cleaning up is accomplished.

## Ass't Mgr. of Baseball Team Open To Juniors

Any junior desiring to hold the position of assistant baseball manager is requested to make his application by writing a letter to Coach Kraft. Applications must be in before Monday, March 25.

The selection of the assistant will not be determined solely by the letter, but rather through an elimination process. After March 25 all applications will be reviewed and three or four of the most favorable applicants will be given tryouts. These men will work alternately for a short period of time, fulfilling the duties connected with the position. The best qualified man will then be named assistant.

The position of assistant affords a person good experience in the executive branch of the sport and further qualifies him for managership of next year's baseball team.

## Dean Palmer Attends Association Meeting

Last Thursday, Dean C. I. Palmer represented Armour Institute at the annual meeting of the North Central Association of Secondary Schools and Colleges, which was held during the last week at the Stevens Hotel.

The object of the organization is the establishment of closer relations between the educational institutions in this section of the country.

## Freshman Archers Want Distinctive Sweaters

A committee for the Freshman architects consisting of R. Fairbanks, I. Ackerman, W. Buck, and H. P. Richter, are now completing plans for the design and purchase of sweaters for the Freshman architectural students. These sweaters will be a class insignia, somewhat as the Senior coats are for the Seniors of all classes.

## ELECTRICAL DEPT. SENIORS INSPECT TELETYPE PLANT

### Other Inspection Trips Are On Schedule For Near Future

An inspection trip was made last week by the senior electricals to the plant of the Morkrum-Kleinschmidt Co. This trip, as have been a number of others already taken, was under the charge of Prof. Moreton of the electrical department.

The Morkrum-Kleinschmidt Co. are the manufacturers of the "teletype" machines used universally in wire and radio telegraph transmission where greater speed than is possible with manual keying is desired.

The machine has the appearance of a typewriter, but instead of printing on paper, causes a series of relays to be operated, sending out dots and dashes. The companion machine receives these dots and dashes and causes the keys of a typewriter to print the message on paper, seemingly by an invisible hand.

So far this semester all the inspection trips that have been taken by the electrical department were limited to the seniors.

It is planned to take a whole day off during junior week in which trips will be made by both the juniors and seniors to a number of plants. A battery works, a motor manufacturing plant and the Stevens Hotel are some of the places under consideration.

The Stevens Hotel would be of special interest to the electricals as it contains one of the finest complete power plants in the city.

### A. I. E. E. MEETING MONDAY

There will be an A. I. E. E. meeting Monday at 10:30 a. m. in the Science Hall. An engineer from the Western Electric Company will speak on the development of loud speakers.

## A. R. A.'s Mast Fails Under Wind Loads

During the heavy snow storm last Friday night, the steel mast supporting the antennae of the transmitter of the Armour Radio Club was blown down.

Last Thursday a meeting of the club had been held to obtain workers to assist in placing additional guy wires, there being some feeling that such an occurrence might take place.

So on Saturday morning a crew of "linemen" made their appearance, ready to make their mast safe against any storm that might blow. However fate was against them.

In a previous storm a rather unique curvature had been placed upon the pole. This time "Dame Nature" was not to be so easily pleased with her handiwork. Friday night dusk settled and a snow storm commenced, amply screening her deviltry. When dawn came and the screen of darkness was lifted, there lay the radio mast, looking like a pretzel, that a pretzel bender had decided was not worth finishing.

At this time the radio club has not definitely decided what action to take. Until a new mast is erected, all transmitting activity has been necessarily suspended.

There is some talk among members, that since they have been so poorly treated by Dame Nature, perhaps mental telepathy be substituted for radio telegraphy as their sphere of activity.

## Prof. Amsbury To Give Poem Recital

Professor W. B. Amsbury, lecturer in General Literature, will speak to the Omar Khayyam Literary Club next Sunday evening. He will present readings of humorous poetry dealing with French-Canadian stories. The club meets at the Jewish Peoples' Institute, 3500 Douglas Boulevard, at 8:30 P. M. Admission will be free to all interested.

## Schedule By Which Group Pictures Are To Be Taken Today For The "Cycle"

Announcement has been made of the time for taking of group pictures for the Cycle. All group pictures are to be taken today, March 21st, at the times indicated below. Students are excused from classes only for pictures in which they are included and at the time indicated.

- A. M.**  
9:00—Junior Class—Ogden Field  
9:00—Senior Social Committee—Main Entrance  
9:30—Sophomore Class—Ogden Field  
9:30—Junior Social Committee—Main Entrance  
10:00—Freshman Class—Ogden Field  
10:00—Sophomore Social Committee—Main Entrance  
10:30—A. S. M. E.—Ogden Field  
10:30—Freshman Social Committee—Main Entrance  
10:35—Junior Marshals (1928)—Main Entrance  
10:45—W. S. E.—Ogden Field  
11:00—A. I. Ch. E.—Ogden Field  
11:00—A. T. A. A. Officers—Main Entrance  
11:05—Board of Athletic Control—Main Entrance  
11:15—F. P. E. S.—Ogden Field  
11:15—Honorary Dance Committee—Main Entrance  
11:30—A. I. E. E.—Ogden Field  
11:30—Cycle Assistants (Sophs)—Main Entrance  
11:35—Leaders of Musical Organizations—Main Entrance  
11:45—Architectural Society—Ogden Field  
11:45—Engineer Assistants—Main Entrance

- P. M.**  
1:00—Press Club—Ogden Field  
1:15—Campus Club—Ogden Field  
1:30—Radio Club—Ogden Field  
1:35—NEWS Assistants—Ogden Field  
1:45—Flask and Beaker—Ogden Field  
2:00—Truss Club—Ogden Field  
2:15—Rifle Club—Ogden Field  
2:30—"A" Men—Ogden Field  
2:45—Honor "A" Society—Ogden Field  
3:00—Basketball—Assembly Hall  
3:30—Band—Assembly Hall  
3:45—Orchestra—Assembly Hall  
4:00—Glee Club—Assembly Hall  
4:15—Stresses and Strains—Assembly Hall  
4:30—Boxing and Wrestling—Assembly Hall

## ANNUAL SENIOR BANQUET TO BE HELD THURSDAY, MAY 2ND; PLANS ALREADY UNDER WAY

Committee Gets Early Start On Arrangements; Best Class Banquet In School History Is Forecast; To Be At St. Clair Hotel

## TROGNITZ STARS IN SWIM CONTEST AS RECORD FALLS

At the swimming meet of the American Athletic Federation, held at the Lincoln Turner Hall last Saturday night, March 16, 1929, every Armour man who entered in the competition placed. Trognitz starred by forcing Van Tyne, National Amateur Champion, to break the A. A. F. record for the 200 yard breast stroke in order to win. Van Tyne's time was 2:46, while Trognitz came second with 2:51. Trognitz led at the 100 yard mark by three seconds, but lost out in the last hundred yards in a thrilling sprint.

In the trials Trognitz won his heat easily, leaving the field far behind. Van Tyne was in another heat, also winning his easily.

Strauch of Armour placed third in the fancy diving event, in a large field. Kavanaugh, freshman member of the team placed fourth in the 200 yard breast stroke, the same event in which Trognitz placed second.

Over a hundred swimmers were entered in the meet, one of the important national meets for collegiate and ex-collegiate swimmers.

## R. E. Wilson To Give "Lubrication" Talk At A. C. S. Meeting

The speaker of the evening at the regular monthly meeting of the American Chemical Society, to be held at the City Club of Chicago, 315 Plymouth Court, at 7:30 is to be Robert E. Wilson of the Standard Oil Company of Indiana. His topic will be "The Mechanism of Lubrication."

During the war, Mr. Wilson served as a major in the Chemical Warfare Service. After the war he came to the Standard Oil Company in their research department, where he proved a large factor in the development of Iso-Vis, and also the recent idea of using balloons as a means of reducing evaporation losses from storage tanks.

Mr. Wilson is a member of the Chemical Society and has been active Chicago Section of the American in its support.

## Mironowicz Improves; Starts School Work

The condition of V. C. Mironowicz, who was injured in the Logan Square elevated train crash last week, is very much improved. In his room at the Presbyterian Hospital, he has been constantly cheered by the presence of his friends and class-mates and by the gift of many flowers.

Since his feet and legs suffered from the accident it is impossible for him to move about. His condition, however, permits him to read and friends are aiding him in his homework so that he may be able to graduate with his class this summer.

## Glee Club To Give WLS Radio Program

On Thursday, May 2, the Glee Club, under the direction of Dr. Daniel Prothro, will broadcast a series of six or seven selections over WLS, the Sear-Roebeck station. This feature will be heard at 8:30 p. m. and the following numbers will be presented: "The Shadow March," "The Prayer Perfect," "The Lost Chord," "Where'er You Walk," "They Didn't," "The Song of the Marching Men." Plans are also being tentatively arranged for a broadcast program over WJJD at a later date.

The annual Senior Banquet will be held on the second of May on the roof of the St. Clair Hotel (Ohio and St. Clair Sts.) according to a statement made Tuesday by Abel Gent, member of the Senior class social committee.

### Get Early Start

Preparations for the evening have been started exceedingly early this year in an attempt to make the banquet one of the most successful of its kind ever attempted. Already arrangements are being made to secure professional entertainment for the evening, and plans are being discussed for stunts, games, and similar diversions, which will be rewarded with prizes.

The proceedings will start promptly at 7:00 p. m. with the banquet itself, and will continue as long as the guests have any inclination to stay. The committee in charge of the affair consists of Abel Gent, George Petters, V. A. Peterson, H. H. Dozois, and C. H. Johnson, Chairman.

## NEWS Smoker At Beta Psi's Tomorrow Night

A smoker for the members and prospective members of the staff of the NEWS will be held tomorrow evening at eight p. m. in the Beta Psi house, 3337 Michigan Avenue.

The meeting will be partly devoted to business, in which the future organization of the staff will be discussed. The remainder of the meeting will be devoted to entertainment. Smokes, sandwiches and coffee will be served.

Any students who wish to join the staff of the NEWS, or who have serious intentions of doing so next semester, are invited to be present at the meeting.

Toward the end of the semester it is planned to hold an Armour Tech News banquet, to which all staff members will be invited.

## Architects Compete For Scholarships

The judgment of the class "A" IV project of the Beaux-Arts Institute of Design will take place March 26, 1929. The program issued February 2, 1929, consisted of the drawing and designing, in six weeks, of "a Masonic Temple."

Two scholarships of \$500 each to the Fontainebleau School of Fine Arts near Paris, will be awarded for the best designs submitted for this program. All senior architects have entered drawings in the competition.

## Paper Making Given at A.S.M.E., A.I.C.H.E.

A set of films illustrating processes of the paper industry were shown at a joint meeting of the A. S. M. E. and A. I. Ch. E. in Science Hall last Thursday at 9:30. President Blomquist of the A. S. M. E. introduced Mr. L. Henely of the Butler Paper Corporation who showed the films and discussed the process of making paper from start to finish. Approximately fifty members of the two organizations attended. Only upper classmen are eligible for membership to these organizations.

## FRATERNITY COUNCIL REJECTS RUSH RULES

There was a meeting of the Inter Fraternity Council on Friday, March 15. At this time the question of the new rushing rules was brought up. After a lengthy discussion, the council voted to reject the new plans, and to adhere to the old rules. R. Christiansen presided at the meeting.



# ARMOUR TECH NEWS

Student Publication of the  
ARMOUR INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS  
Published Weekly During the College Year

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Exchanges.....John E. Barman, '29

Vol. III. MARCH 21, 1929 No. 7

## Why Not An Educated Engineer?

What is the magic formula for success in this age of miracles? Ask it of Henry Ford. Ask it of Charles M. Schwab. Ask it of Herbert Hoover. Ask it of any successful man of affairs today. Almost without exception you will receive as your answer, "Specialization." That one word comes nearest to containing the summary of our modern economic structure. It best accounts for the phenomenal achievements of men today, both as individuals, and as great organizations of men which we call corporations.

But when in a man's life should specialization begin? Can we take a child from the cradle and say to it, "You are to become an electrical engineer. From henceforth your training will be carried out with that aim in mind." Would we not, in our zeal to teach that individual more about electricity than anyone else knows, build up such an unbalanced brain that his knowledge of electricity would be utterly useless because it lacked the complement of knowledge about other men's affairs?

That is an extreme case. But where is the line of demarcation between the extreme case and the best interests of the individual? At present, prevailing practice among engineering schools seems to hold that the line exists between the freshman and the sophomore stages of the engineer. At that time the student begins certain studies which are very specialized, and apply more or less only to the branch of engineering work he has chosen. Unfortunately, already a year before he begins his specialization, he is required to name in which department he will specialize.

Dr. Harvey N. Davis, recently inaugurated to the presidency of Stevens Institute of Technology at Hoboken, believes that an embryo engineer should not begin to specialize until after he has finished college. He advocates a general engineering course which should include the fundamentals of all engineering, and which would emphasize the training of the mind in how to think, rather than in how to remember facts. He cites the many cases of men of his acquaintance who distinguished themselves in engineering fields other than that for which they supposedly trained. And he is of the opinion that part of their success was due to the fact that they had the advantage of broader training over the fellow who stuck to the line he began with in his undergraduate days.

A study of our own Institute's bulletin, which contains a list of graduates, their courses and their present positions, offers additional evidence on the same truth, namely, that many engineers win success in a branch other than that for which they tried to specialize in college.

We are of the opinion that Dr. Davis is absolutely right. We believe that there would be far fewer misfits in engineering if a student could defer his choice of a life's work at least till he is ready to graduate from college, and in the meantime equip himself with a thorough course in those principles of science, engineering, and the arts, which are necessary for a well-rounded life in any field of engineering endeavor. Along with a thorough and comprehensive training in mathematics, physics, chemistry, mechanics, thermodynamics, electro-dynamics, hydro and aero-dynamics should be given a parallel liberal training, such as in history, literature, economics, philosophy, psychology, and related subjects. Throughout the course the economic and the human sides of engineering would be consistently emphasized.

Dr. Davis summarizes the principle of his belief as

.. "THE SLIPSTICK" ..  
Cleave to "The Slipstick"; let  
the Slipstick fly where it may.

## Meditations

The breath of life is Calculus,  
The darn stuff's in my dreams.  
When I get thru, the room's a muss,  
And I'm a wreck it seems.

I'd like to know the guy who doped  
Out calc. for me to do;  
And should we meet (as I have hoped)  
Well, I'll leave the rest to you.

—F. F. S.

What's the shape of the earth?" asked Dean Penn of a sleepy civil.

"Round."

"How do you know it's round?"

"All right, it's square then. I don't want to start any argument about it."

Sign—  
**Ladies' Ready-to-Wear Clothes**

It's about time they were changing their minds.

—F. B. A.

### Fadeout

He: "Darling, I kissed the very stamps on your letters because I knew that they had been touched by your own sweet lips."

She: "Oh! I moistened them on dear old Fido's nose."

The Bulletin of the American Chemical Society ran this, and we take the liberty of reproducing it:  
A New Element

Symbol. Wo.

A member of the human family.

Occurrence. Can be found wherever man exists. Seldom occurs free or in the native state. Quality depends upon the state in which it was found. Usually the combined state is to be preferred.

Physical Properties. All colors and sizes. Always appears in disguised condition. Surface seldom unprotected by coating of paint or film of powder. Boils at nothing and freezes at any moment. Very bitter if not properly used.

Chemical Properties. Extremely active. Possesses a great affinity for gold, silver, and precious stones. Ability to absorb all kinds of expensive foods, but activity is greatly increased when saturated with spirit solution. Sometimes yields to pressure. Turns green when placed to a better looking sample. Ages rapidly. Highly dangerous, and explosive in inexperienced hands.

### A Little Heady

Why does a Scotchman marry a blonde?

I dunno, why?

Light overhead.

—Freddie.

Broke: Say, old pal, can you lend me five till Monday.  
Rich: I'm sorry, I'm deaf, and I can't hear a word you say.

Broke: Give me a pencil then; I'll write it.

Rich: It won't do you a bit of good, I can't read a word.

—F.B.A.

Friend K.K.K. claims that this is real courtesy:—  
Kindly Keep Your Hands Off. This Wire Carries 20,000 Volts. Thank You.

When the iceman came out of the house he found a small boy sitting on one of his blocks of ice. "Hey," he roared, wot are yer sittin' there fer. Git out!"

The small boy raised a tear-stained face. "Was you ever a boy?" he asked, faintly.

"Of course I was," yelled the iceman, fuming.

"And did you never play hooky?" broke in the lad.

"Of course I did," snarled the iceman, "Now then, you—"

"And when you got home did yer father take a stick—"  
"Sit where you are, my little man," the iceman said, gulping, "I understand."

A parking space is where you pay to have those little dents made in the fenders.

—Freddie.

Man Alive! You Must Have the Dreaded "Water on the Brain!"

Dear Al,

On receiving my physics experiment back for correction, I noticed "Presence of Moisture" scrawled across the front. I immediately added a discussion that was all wet. Did I do the right thing?

—P.J.

We feel pretty low; last week a contrib sent in a joke that we ran in the column a month ago.

follows: "Why waste time in an engineering school learning details, descriptions of processes and of machines, tricks of technique of hand or brain, or even miscellaneous facts, all of which, in so far as one wants them at all, can be learned far more effectively on the job. Why not devote one's time in the school in learning what one may never have another chance to learn, namely, fundamental principles, and how to think?"

We believe the day is not far distant when this principle will be widely accepted and applied in all first class engineering schools. When that day comes, the engineering graduate will really be an educated man, and will take an even more important place in the leadership of human affairs.

## Head of Mechanical Engineering



George F. Gebhardt  
(A Biographical Sketch)

By T. J. LEARDI, '29

One of the outstanding faculty members is Professor Gebhardt, head of the department of Mechanical Engineering, who has been teaching at the Institute for nearly thirty years.

Professor Gebhardt was born in 1874 in Salt Lake City, Utah. His early education was obtained at the Collegiate Institute, a sectarian school. When sixteen years of age, he entered Knox College, taking the regular literary course, but two years later he left Knox, going to Cornell to study Mechanical Engineering. Four years later, at the age of twenty-two, he secured his M. E. from Cornell, and, by making up all his literary subjects, he also received his A. B. degree from Knox. Three years later, he received his M. S. from Knox College.

After his college days were over, a choice of professions was to be made. He decided to become a mining engineer, so he went back to Utah and worked in the mines in various capacities. Professor Gebhardt had an abhorrence for teaching, but when the hard times of 1897 came, he finally secured an appointment at Armour as the instructor in machine design, thus being forced by circumstances to take up teaching.

Although he thought to make teaching a temporary connection until something more to his liking turned up, he found that making competent engineers out of fifteen green freshmen was a fascinating study, and that repetition year after year did not bore him. It is no wonder then, that in the next five years, he was made assistant professor in machine design, then associate professor, and finally, in 1908, professor of Mechanical Engineering.

## REVIEWS

By JOEL M. JACOBSON, '29

### JARNEGAN

By Charles Beahan and Garrett Fort

Presented at the Woods Theatre by B. W. Sanger.

Undoubtedly the majority of Armour Students have heard many comments, good and bad, about this play. It is very necessary, however, that anyone thinking of seeing Jarnegan should not make up his mind as to its merits before seeing it. The plot is certainly morally disgusting, as a certain eminent Chicago lawyer said, "It reminds me of a dead corpse floating to shore by moonlight." The acting of the star, Richard Bennett as Jarnegan, is flawless. Though all the characters are exceptionally good, he outshines them all. The story is simple. Jack Jarnegan, ex-convict, becomes Hollywood's most famous movie director. He controls Hollywood's tragedies and comedies, pulling strings here and there to suit his fancy. The life the play portrays is rotten to the core but the portrayal is full of good humor and some deep philosophy, though it often tends to be rather morbid. At the close Jarnegan cries, "If I were the master electrician of the world I'd pull the switch and blow it out."

Go to the Woods for some excellent acting and for some good laughs, but see the play with an open and unbiased mind.

—J. E.

Power-plant engineering is Professor Gebhardt's specialty. He is an authority on the subject, his book being used as a standard text in every country in the world where engineering is taught. He has also done a great deal of research work, including the construction of testing machines. Among the subjects may be mentioned belt transmission, ball-bearing friction, tire-shock absorption and flow of fluids. He has designed the Gebhardt steam meter, and also numerous laboratory machines for testing engineering materials. In addition to the book already mentioned, he has prepared pamphlets for the school use on governors and the dynamics of steam engines. He is a member of the American Society of Mechanical Engineers, the Western Society of Engineers, and the National Association of Stationary Engineers. He is also chairman of the board of advisory engineers for the Smoke Abatement Bureau of Chicago. In fraternal life he belongs to the University Club, is a Phi Delta Theta, and a Tau Beta Pi.

Professor Gebhardt likes to fish and hunt. We have his word that he would rather sit out in a swamp and shiver shooting ducks than do anything in the educational line.

Professor Gebhardt was married in 1914 to Edith M. Jensen and he is the father of two daughters, Mildred and Sally.



## Where Safety Rules

Although passenger traffic on the railroads in recent years has suffered as a result of the inroads of competing means of transportation, both public and private, the traveler by rail is still assured of one advantage which he can obtain in no other way—and that is the utmost in safety.

No other form of passenger transportation even approximates the safety of the railroad. It has been well said that the average passenger is safer on the train than in his own home or anywhere else in the world. In 1927, the last year for which complete information is available, the number of passengers killed in railway accidents in this country averaged 1,047 per 10,000,000 passenger trips. Ten years before it was 2,711; twenty years before, 6,978. Only ten of the eighty-two passengers who lost their lives in 1927 were killed as the result of accidents to trains. The others met death at getting on and off cars or when struck by trains at stations.

The safety of railway employment has improved, the death rate from accidents declining from 2.710 per thousand persons employed in train operations, including shop work, in 1907 to 1.745 in 1917 and 0.880 in 1927.

Only in highway grade-crossing accidents, where the automobile primarily figures, has the total number of fatalities more or less steadily increased. A decrease was shown in 1927 as compared with 1926, however, and for several years the ratio of fatalities to the total number of automobiles has declined.

Millions of dollars have been invested by the railroads to insure the safety of their patrons, their employes and those who cross their tracks. Every safety device which human ingenuity has perfected has been utilized by them. The safety education of their employes is constantly in progress. "When in doubt pursue the safe course" is a railway maxim. Every railroad of any size has a safety department, and the work of these departments is correlated in the Safety Section of the American Railway Association and the Steam Railroad Section of the National Safety Council.

Constructive criticism and suggestions are invited.

L. A. DOWNS,  
President, Illinois Central System.

CHICAGO, March 15, 1929.

(Three hundred nine students in forty-six colleges and universities have submitted essays in the Illinois Central System's contest on "The Future of the Railroads," which closed February 28. The results should be ready for announcement some time in April.)



## Oxford System Of "Honors" Students Wins Trial In U. S.

### M. I. T. and Swarthmore Are Experimenting With New Method

For many generations the Universities of Oxford and Cambridge have had two courses of study open to all incoming students. A student entering one of these universities must elect to become either a "pass" student or an "honors" student.

A person whose intellectual ambitions or qualifications are not high, elects the former, and during the period of residence is expected to meet certain relatively simple requirements and to pass certain relatively simple examinations. But the more exceptionally gifted and ambitious person elects to "read for honors" in a certain field of study, for which the requirements are more severe and the rewards correspondingly greater. As an honors student he is under the guidance of a college tutor or director of studies. It is the function of the tutor to advise the student what to read, what lectures to attend, and what experts to consult in the university; and to observe his progress. The student does not attend a large number of set exercises but studies mostly upon his own initiative, consulting with his tutors. Thus the amount of progress which an honors student may make during his period of residence is limited only by his own capability and energy. He is very much upon his own resources and responsibility.

Many famous men in England have studied by this educational system. Such scientists as Newton, Kelvin, Maxwell, and J. J. Thompson were "honors students." For this reason American educators are interested in the English educational system. They recognize the difference in environment, tradition, and temperament between the two countries and seek only the basic idea that has made this system so effective.

Several institutions of learning have adopted, for preliminary pur-

## Facsimile of Letter from Mr. F. U. Smith

Mr. John Monin.  
Armour Institute of Technology.

Dear Sir,

I take great pleasure in enclosing my subscription to the 'Armour Tech News'.

It certainly does great credit to the student body of A. I. T.

Sorry I am not of a literary turn of mind, as I should feel like entering into competition with my dear old friend Dr. L. C. Monin for a space in your worthy publication.

I was not so closely allied with the student body. I am however proud to say that I still have a very close and happy relationship with the Members of the Faculty, who did so much to make my administration a happy one, and whose friendship I esteem as one of my greatest blessings.

Very sincerely yours,

F. U. Smith

March 7, 1929.

The above letter was received from Mr. F. U. Smith recently, as was stated last week, and was considered so unique in form, and so beautiful in both appearance and sentiment, that the staff decided to reproduce it in zinc for the benefit of the readers of the NEWS.

Mr. Frank Smith, who is now about 84 years old, was comptroller of the Armour Institute of Technology almost from the time of its founding until 1921.

Along with the letter was enclosed a dollar subscription for the present semester. This dollar was returned to Mr. Smith, just as the two dollars which Dr. Monin sent for the whole year's subscription, was returned to him. Both Dr. Monin and Mr. Smith have been permanently placed on the complimentary subscription list, and receive their copies of the NEWS regularly.

poses, an honors study somewhat similar to that used in English colleges. The Massachusetts Institute of Technology has employed such a plan in the Department of Electrical Engineering, and Swarthmore College in the Division of Engineering. The honors students do the same amount of work that the regular students do in the Department. They must take all the written tests and examinations, but distinction is made in the

conditions of study and methods of supervision. The aim is to instill a spirit of self reliance, resourcefulness, and intellectual courage in students of exceptional promise by creating a more independent atmosphere of work with a flexibility designed to meet individual needs.

Only juniors and seniors are allowed to decide upon their course. After their decision has been made (Continued on page 4)

## FRATERNITY NOTES

### SALAMANDER

Salamander, Honorary Fire Protection Engineering Society, wishes to announce the pledging of the following men at a regular meeting last Thursday, March 13th:

J. A. Bechtold  
E. W. Berg  
H. W. Mullins  
J. A. Ransel

### TRIANGLE

The next event on the Triangle social calendar is a Father and Son smoker, to be held at the chapter house on Thursday evening, March 28. This is an annual affair, at which the fathers and sons get together—and inhale big stogies until the sons weaken.

Triangle wishes to announce the pledging of Martin Van der Velde, M. E., '30.

### PHI KAPPA SIGMA

Phi Kappa Sigma is planning a Costume Dance to be held at the Chapter House on Saturday evening, March 23. This is an annual affair, and the foremost social function of the Phi Kappa Sigma spring social calendar.

### SIGMA ALPHA MU

Sigma Epsilon of Sigma Alpha Mu announces the initiation of Nathan Rosen. The initiation took place at the Copeland Hotel on Tuesday night, March 12, 1929.

### ETA KAPPA NU

Eta Kappa Nu, national honorary electrical engineering fraternity, announces the pledging of the following men:

Juniors:  
G. W. Baker  
C. S. Bogowicz  
N. D. Buehling  
J. Dollenmaier  
C. R. Southwick

Seniors:  
F. V. Forss  
E. S. Geiger

### BETA PSI

Sunday, March 17, formal initiation was held at the chapter house for the new group of initiates. At the conclusion of the ceremonies, a banquet was held in honor of the new men.

Saturday, March 30, the Alpha chapter of Beta Psi is giving an informal dance in the Red Room of the La Salle Room.

### CHI EPSILON

Chi Epsilon, national honorary Civil Engineering Fraternity, announces the pledging of the following men:

E. Blomme  
J. P. Edstrand  
L. H. Fischman  
J. W. Hurley

The officers for this semester are:  
President—E. H. Mohr  
Vice-Pres.—F. B. Farrell  
Secretary—R. F. Stellar  
Treasurer—H. Nissen

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### DELTA TAU DELTA

Delta Tau Delta held its twentieth annual Prom in conjunction with the Northwestern and Chicago chapters at the Blackstone Hotel on Friday, March 8, 1929, from nine until three. Dinner was served at midnight.

Probation week for those freshmen who will be initiated started March 18.

### THETA XI

Theta Xi wishes to announce the pledging of Russell Long, '32.

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**STYLE NOTE:** The smart thing in Neckwear for Spring is plain colored Satins. So here they are in beautiful, lustrous, heavy textured, navy and royal blues, myrtle and duck greens, sparkling maroons and scarlets. Satins are new, distinctive, stylish and handsome — a really sensible University fad. At \$1.50 we've found it hard to keep up with the demand — better drop in early!



## One way to trap a beaver

Not everybody in the Hudson's Bay Company was a trapper, any more than everybody in the Bell System is a telephone engineer.

The Hudson's Bay people trapped a good many beavers in the company offices, where the skilful financing and careful business management served to back up the men actually

on the front lines. Organized activity succeeded then just as it does today. The men who put up telephone lines can work the better because back of them are other men who painstakingly design and make their equipment, and still other men who correlate all these activities into a smoothly meshing plan.

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## BASEBALL CALL IS ANSWERED BY TWO-SCORE MEN

### Many Veterans Return To Assist Win Column

When Kraft issued his call for baseball talent last Monday, some two score candidates eyeing the infielder's and outfielder's berths responded.

Obviously, such a turnout of men to the bat and ball clarion assured Kraft of having an exuberant field to select from. But the big task now is to scan the length and breadth of the field and make selection of the choicest applicants. Then after this phase of the work is accomplished his brooding task will be to see that the team functions in a manner that will bring them a good collection of victories.

#### Simpson and Stehno Back

Of late Coach Kraft has limited his duties to selecting the moundmen. In Simpson and Stehno he finds two of last year's leading hurlers. Simpson, perhaps, needs no introduction to Armour's baseball enthusiasts, for his performances last year stamped him as being one of the best hurlers that ever donned the Armour toggery.

His two no-hit games last season attracted the attention of a couple of major league ball clubs.

Stehno has also served well in the ranks as a pitcher. With a little more experience he should develop to be a colorful mound artist.

#### Haye 1928 Catching Staff

With the return of this pitching duet come Yount and Link, the receivers. Both catchers are cultivated backstops and form a good battery combination with the flingers.

Then there is Graham, Goldman, Kutterhoff and Mago, a quartet of pitchers that are well talented in their line of work. They have been under Coach Kraft's watchful eye during he past six weeks and have shown skill.

Cannell, Owen and Wilson are the other moundmen that have been listed as probable luminaries. Young is awaiting his chance to make a debut as a catcher.

#### Kraft Stresses Team Work

Considering the matter from the personnel point of view all indications point favorably to Armour's outlook for an impressive season. But individuality does not assume the leading role when team work must be taken into consideration and further observance of the matter from that angle of the game gives Kraft as much reason to fear grave results as it gives him reason to foresee the possibilities of meeting with Dame Fortune.

In fact Kraft is a little pessimistic and prefers to remain silent to any queries that are made relative to the teams possibilities of having a successful season.

#### Entire 1928 Staff to Return

The Coach is aware of the fact that he will have last year's men back again and a good number of others to fill any vacancies, but he can find many a dark streak in the silver lining.

Kraft knows that all good men will play good ball sometimes, but whether they'll play good ball all the time

## Tennis Team Holds Best Slate For A.I.T.

One of the most successful teams at Armour is the tennis team, which last year established 10 wins out of 13 meets. It was only last year that the team met defeat, after going through three years with a perfect record. This alone speaks of how potent the local racketeers have been, and still are, under the coaching of Professor Tibbals.

With Jennings, Capt. Stellar and Lamb back in the fold the fine showing should continue. Jennings, number one man on the squad, will make his last appearance this season as a member of the team. His sterling record of past years makes him the main threat to other teams.

Stellar, whose fighting style carried him to many victories during the last season, is also graduating this June. Lamb is another letterman graduating this June.

#### Last Year's Record

The teams which dealt defeats to the net men last year are Grinnell, Marquette and Lake Forest. The only defeat that really hurt was by Grinnell, since the two others were balanced by wins later in the season. Other triumphs chalked up were against Michigan State, U. of Louisville, Detroit City College, Hillsdale, Wheaton and Loyola.

#### Schedule Not Ready

According to D. L. Williams, the manager, the schedule as yet is not drawn up.

Indoor practice is now on the program and several candidates have already taken part, working out in the school gym. It is hoped that in about three weeks the Tech and the Armour Square courts will be in shape.

## Civil Dept. Gets New Aircraft Instrument

An Aircraft Octant, manufactured by the Pioneer Instrument Company of Brooklyn, New York, was received by the Civil Engineering Department last Monday. It is used for altitude determination of astronomical bodies. It has an artificial horizon of the Wilson bubble type and is equipped with electric illumination integral with the instrument for night use.

This instrument is the first of its kind to be used around this territory and will be demonstrated in conjunction with the Aviation course in the Civil Aeronautic option. The price of the instrument is listed at \$400.00.

is a different proposition, and he shudders with the thought that the team may falter in its consistency.



## TRACK TEAM GAY AS THEY DEFEAT CHICAGO NORMAL

In their first dual meet of the year, the Armour track team marched to victory over Chicago Normal by a score of 45 to 32. The contest, which took place in the Bartlett Gym. last Wednesday, March 13th, was easily won by the black and yellow athletes taking six firsts out of nine events.

#### Richter Takes First in Mile

The mile event proved to be an upset when Richter, a freshman, led the whole field from the start to finish, winning over more experienced men. Captain Kara, whose specialty is the high hurdles, proved his superiority in this event and chalked up another first for Armour. Until this meet Kara has been lost to the team because of injuries.

A summary of the meet is as follows:

50-yd. dash—1st, Turner (C. N.); 2nd, Fralich (C.N.); 3rd, Sturm (A.)—Time 5:4/5.

One mile—1st, Richter (A.); 2nd, Goodheart (C.N.); 3rd, Smith (A.)—Time 5:02.

High hurdles—1st, Kara (A.); 2nd, Henry Fox (A.); 3rd, Bangert (C.N.)—Time 0:07.

440-yd. run—1st, Harold Fox (A.); 2nd, Robinson (C.N.); 3rd, Doubt (A.)—Time 0:54.

Shot put—1st, Yount (A.); 2nd, Kara (A.); 3rd, Sturm (A.)—Distance 34 feet.

880-yd. run—1st, Iverson (A.); 2nd, Podlipec (A.); 3rd, O'Brien (C.N.)—Time 2:08 3/5.

Pole vault—1st, Breffort (C.N.); 2nd, Bangert (C.N.); 3rd, Yount (A.)—Height.

High jump—1st, Breffort (C.N.); 2nd, Bangert (C.N.); 3rd, Kara and Henry Fox (A.)—Height 5 feet 4 inches.

Relay—1st, ARMOUR, Harold Fox, Yount, Sturm, Ransel; 2nd, CHICAGO NORMAL, Ryan, Fralich, Breffort, Clark.

## Inquiring Reporter

Question: Who is your favorite movie actor and actress?

Jack Stitzler, '30, C. E.: "Alice White and John Mack Brown."

Irwin Novotny, '31, M. E.: "Gary Cooper and Camilla Horn."

T. J. Wlekinski, '31, Ch. E.: "George Bancroft and Mary Brian."

P. E. Seidelmann, '31, F. P. E.: "Jack Mulhall and Joan Crawford."

Nap Kara, '29, C. E.: "Emil Jannings and Baclanova."

Frank Sanborn, '30, E. E.: "Alice White and Douglas Fairbanks."

Mike Saunders, '30, Arch.: "George Bancroft and Nancy Carroll."

## Oxford System Of "Honors" Students Wins Trial In U. S.

(Continued from page 3)

the faculty decides which students may avail themselves of the honors plan. The general plan is to choose students on their records in mathematics, physics, chemistry, and applied mechanics, and their work is electrical engineering up until the time of their selection.

Certain freedom is allowed these students. They do not have to attend class exercises if they do not desire; but they are expected to pass with distinction the usual term examinations. In this way the student may devote his time to reading and consultation in his chosen work. Of course the regular weekly assignment must be worked and he must attend all provisions by announced written quizzes in all their subjects.

The results have proven satisfactory and in the opinion of the faculty

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## BOXERS JOURNEY TO HARD BATTLE AT CULVER, 23RD

On Saturday, March 23, Armour's boxing team will invade the pugilistic haunts of Culver Military Academy, where they expect to compete with one of the best boxing teams of the middle west.

When Garbett's squad meets Culver, they'll be competing against a team that has defeated Annapolis and other teams of the leading universities. Aside from this, they'll be facing a team that has already defeated Armour twice in the past two years.

Garbett feels that although Armour may not win the meet, if his pugs can eliminate two or three opponents he can at least credit them with a moral victory. Few boxing teams can accomplish that much in their meets with Culver.

The contestants for Saturday's meet have not been picked as yet. The probable entries will be selected from the thirteen here listed: Taylor, Sandstrom, Goodheart, Slausberg, Schwartz, Garbett, Buehling, Jammer, Strauch, Nelson, Whitfield, Larkin, White.

of these two schools, natural ambitions and resourcefulness of the honors students have been disclosed with favorable commendation.

## Riflers Lose To Crane Junior By Five Points

The Armour Tech Rifle team lost a match with Crane Junior College team last Tuesday, March 12, by five points. The meet was carried out by comparison of scores, Crane shooting their targets on Thursday, March 14. Among the matches arranged for the future is one with the Bell Telephone Co. rifle team.

#### RHO DELTA RHO

Rho Delta Rho wishes to announce the initiation of the following men:

Joseph Aaron  
Irving Ackerman  
Sidney Farber  
Herbert Meyers  
Jerome Meyer  
Aubrey Meyer  
Irving Drell  
Sidney Schwartz  
Robert Schlossberg

The above men paid their last dues to pledgeship at a banquet given in their honor at the Palmer House, Sunday evening, March 17, 1929.

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A well known golf pro recently returned from a vacation in Glasgow, his home town, relates a current golf magazine. "Well," he was asked, "how did the boys treat you back home?" "Verra reluctantly!" said he. Well might some smokers likewise reply if asked about their cigarette, we imagine. Mild, of course (most cigarettes are, today), but "verra reluctant" when it comes to delivering taste and body and character.

Chesterfields were blended to supply just that "body" which so many "mild" cigarettes lack. For in addition to that desirable blandness there is a distinct "edge" to its smooth, mellow flavor which is just what the smoke appetite craves.

Mild—yes; just that mildness which everyone wants—but something more, something plus—character! The character that makes Chesterfields par for cigarettes. They satisfy!

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